# Successes and New Directions in Data Mining

Florent Masseglia

Project AxIS-INRIA, France

Pascal Poncelet Ecole des Mines d'Ales, France

Maguelonne Teisseire *Universite Montpellier, France* 



Acquisitions Editor: Kristin Klinger Development Editor: Kristin Roth

Editorial Assistants: Jessica Thompson and Ross Miller

Senior Managing Editor:

Managing Editor:

Copy Editor:

Typesetter:

Cover Design:

Printed at:

Jennifer Neidig

Sara Reed

April Schmidt

Jamie Snavely

Lisa Tosheff

Yurchak Printing Inc.

Published in the United States of America by

Information Science Reference (an imprint of IGI Global)

701 E. Chocolate Avenue, Suite 200

Hershey PA 17033 Tel: 717-533-8845 Fax: 717-533-8661

E-mail: cust@igi-global.com

Web site: http://www.igi-global.com/reference

and in the United Kingdom by

Information Science Reference (an imprint of IGI Global)

3 Henrietta Street Covent Garden London WC2E 8LU Tel: 44 20 7240 0856 Fax: 44 20 7379 0609

Web site: http://www.eurospanonline.com

Copyright © 2008 by IGI Global. All rights reserved. No part of this publication may be reproduced, stored or distributed in any form or by any means, electronic or mechanical, including photocopying, without written permission from the publisher.

Product or company names used in this set are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark.

Library of Congress Cataloging-in-Publication Data

Successes and new directions in data mining / Florent Messeglia, Pascal Poncelet & Maguelonne Teisseire, editors.

p. cm.

Summary: "This book addresses existing solutions for data mining, with particular emphasis on potential real-world applications. It captures defining research on topics such as fuzzy set theory, clustering algorithms, semi-supervised clustering, modeling and managing data mining patterns, and sequence motif mining"--Provided by publisher.

Includes bibliographical references and index.

ISBN 978-1-59904-645-7 (hardcover) -- ISBN 978-1-59904-647-1 (ebook)

1. Data mining. I. Masseglia, Florent. II. Poncelet, Pascal. III. Teisseire, Maguelonne.

QA76.9.D343S6853 2007

005'74--dc22

2007023451

British Cataloguing in Publication Data

A Cataloguing in Publication record for this book is available from the British Library.

All work contributed to this book set is new, previously-unpublished material. The views expressed in this book are those of the authors, but not necessarily of the publisher.

If a library purchased a print copy of this publication, please go to www.igi-global.com/reference/assets/IGR-eAccess-agreement.pdf for information on activating the library's complimentary electronic access to this publication.

30 more pages are available in the full version of this document, which may be purchased using the "Add to Cart" button on the publisher's webpage: <a href="www.igi-global.com/chapter/fuzzy-set-theory-useful-data/29952">www.igi-global.com/chapter/fuzzy-set-theory-useful-data/29952</a>

## Related Content

#### A Query Beehive Algorithm for Data Warehouse Buffer Management and Query Scheduling

Amira Kerkad, Ladjel Bellatreche, Pascal Richard, Carlos Ordonezand Dominique Geniet (2014). *International Journal of Data Warehousing and Mining (pp. 34-58).* 

www.irma-international.org/article/a-query-beehive-algorithm-for-data-warehouse-buffer-management-and-query-scheduling/116892

# An Approach to Mining Crime Patterns

Sikha Bagui (2006). *International Journal of Data Warehousing and Mining (pp. 50-80)*. www.irma-international.org/article/approach-mining-crime-patterns/1763

# Web Usage Mining for Ontology Management

Brigitte Trousse, Marie-Aude Aufaure, Bénédicte Le Grand, Yves Lechevallierand Florent Masseglia (2009). Handbook of Research on Text and Web Mining Technologies (pp. 418-447). www.irma-international.org/chapter/web-usage-mining-ontology-management/21739

#### A Survey of Extract-Transform-Load Technology

Panos Vassiliadis (2009). *International Journal of Data Warehousing and Mining (pp. 1-27).* www.irma-international.org/article/survey-extract-transform-load-technology/3894

## An Encryption Methodology for Enabling the Use of Data Warehouses on the Cloud

Claudivan Cruz Lopes, Valéria Cesário-Times, Stan Matwin, Cristina Dutra de Aguiar Ciferriand Ricardo Rodrigues Ciferri (2018). *International Journal of Data Warehousing and Mining (pp. 38-66).*www.irma-international.org/article/an-encryption-methodology-for-enabling-the-use-of-data-warehouses-on-the-cloud/215005